

Final

**Remedial Action Completion Report
Compass Big Blue, LLC
Former GST Steel Facility, Tract F-7
Kansas City, MO**

Submitted to:



**U.S. Environmental Protection Agency
Region 7
901 N. 5th Street
Kansas City, KS 66101**

Submitted by:

**Compass Big Blue, LLC
8116 Wilson Road
Kansas City, Missouri 64125**

513008



RCRA

AOHS

1.0 Introduction and Executive Summary

Compass Big Blue, LLC (Compass) purchased 250 acres of the former GS Technologies, Inc. steel manufacturing facility property, located in Kansas City, MO. in 2002. Compass has subsequently demolished the majority of the former buildings and site infrastructure to prepare the property for redevelopment.

In December of 2007 and February of 2009, Compass undertook remedial measures to contain and remove potential PCB contaminated media at a small electrical substation, located at the southwest corner of the F-7 Tract. The substation was previously vandalized and copper wire and copper containing transformer components were removed from the site. The small metal frame building was demolished and the contents of the building along with the remnants of any electrical equipment and steel from the building were transported and disposed of at a TSCA permitted facility (Wayne Disposal, MID048090633) in Michigan.

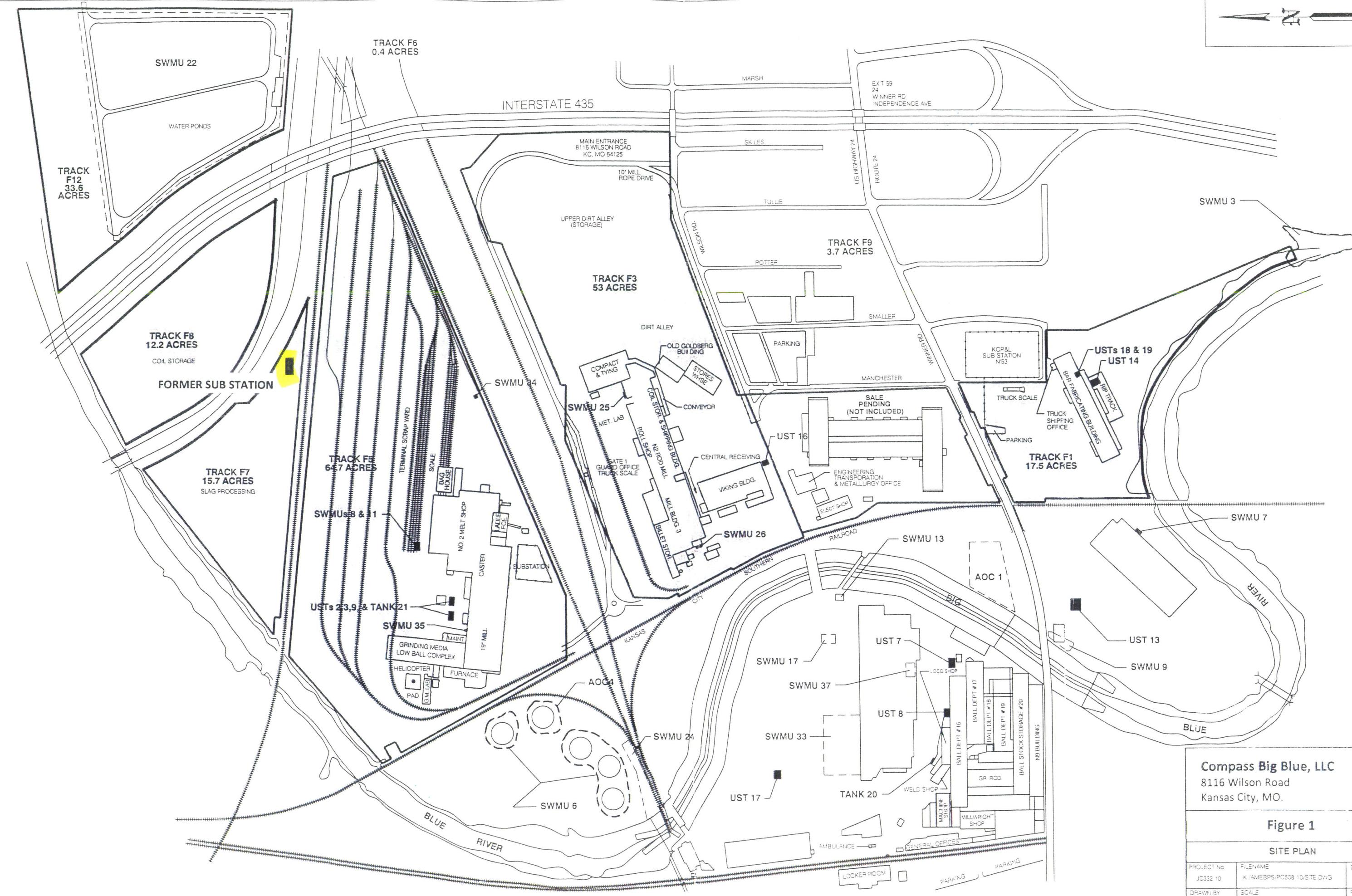
In February 2009, sampling of the substations concrete pad was initiated. The sampling program also included sampling of the, underlying and adjacent soils to the concrete pad. The sampling results indicated that 25% of the concrete pad was contaminated with high level of PCB's. The sampling results of the soils under the concrete pad and soils adjacent to the pad indicated a localized area of contamination. The entire concrete slab was demolished and sent for offsite disposal at a TSCA permitted facility. The soils were excavated to a depth of 3 feet and sent off site for disposal at a permitted TSCA facility.

Confirmation samples indicated no further presence of PCB contamination in the soils.

The following Remedial Action Completion Report (RACR) documents remedial activities for the remediation of the electric substation on Tract F7 on the former GS Technologies, Inc. facility.

2.0 Site Description

The former GS Technologies, Inc. site, which, consisted of approximately 250 acres is located at 8116 Wilson Road in Kansas City, Missouri. The Tract 7 property was the former Slag Processing Area of the facility. The Tract 7 property (Figure 1) consists of approximately 15.7 acres and is located west of the former Coil Storage Area (Tract-F8) and north of the Former Melt Shop Complex (Tract-F5). The electric substation was located at the eastern portion of Tract-7. All buildings and infrastructure have been removed from this tract. The surface area of Tract 7 was covered by slag byproduct from the steel making operations.

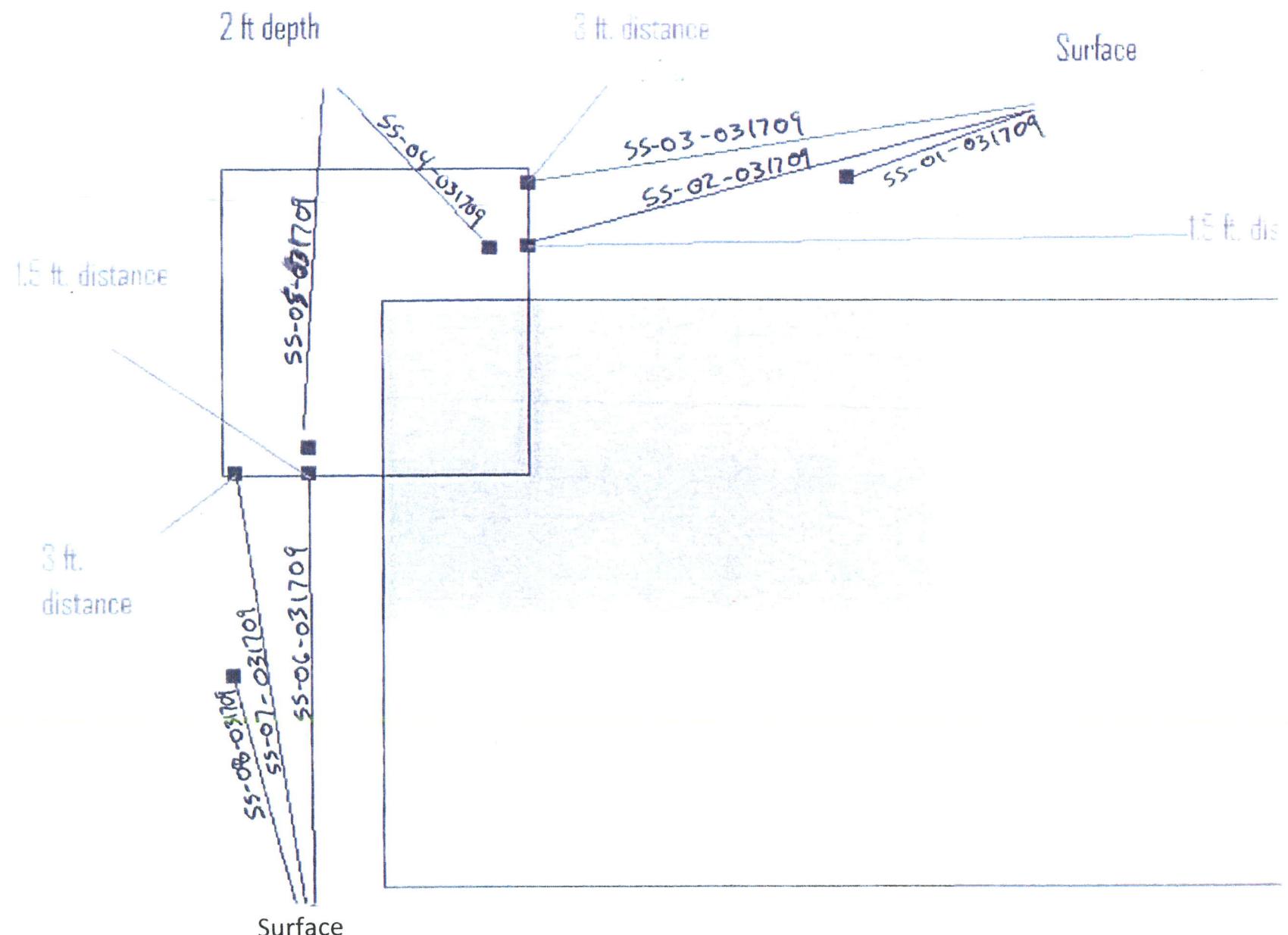


Compass Big Blue, LLC
8116 Wilson Road
Kansas City, MO.

Figure 1

SITE PLAN

PROJECT NO.	FILENAME	DATE
JC332 10	K:\\AMEBPS\\PC508 10\\SITE.DWG	09/16/2002
DRAWN BY	SCALE	FIGURE
ZWG	1' = 500	F1



Former Sub Station Tract F-7
Sample Locations
Figure 2

3.0 Remedial Measures

In June of 2007, a small electric substation located in the western portion of Tract 7 was vandalized and copper wire and copper containing transformer components were removed from the site. In November of 2007, Compass undertook remedial measures to contain and remove potential PCB contaminated media at the substation. The substation was a metal framed structure constructed on a 20 ft. by 20 ft. cement pad. The pad was 6 inches thick and was bermed to provide secondary containment within the building.

The small metal frame building was demolished and the contents of the building along with the remnants of any electrical equipment and steel from the building were transported and disposed of at a TSCA permitted facility (Wayne Disposal, MID048090633) in Michigan. Compass received Generator Approval Notification for acceptability of waste materials from EQ Wayne Disposal Company, Inc. on November 27, 2007. This material was transported to the EQ Wayne Disposal Company, Inc for disposal on December 6, 2007 under manifest 003215247 JJK (see Appendix 1).

Compass initiated an investigation of the substation concrete pad, and soils directly under and adjacent to the substation pad on February 20, 2009. Initial wipe samples were taken in the following locations;

- Visual Clean Concrete
- Visual Saturated Concrete (Stained)
- Soil – Grab Sample
- Front Right Corner (Facing Slab)
- Middle of Slab
- Back Left Corner (Facing Slab)
- Drum (undefined drum)

The samples were sent to Pace Analytical Services, Inc. in Lenexa, Kansas for analysis. Compass received the sample results on March 11, 2009 (see Appendix 2). The sample results indicated elevated levels of PCBs. A summary of the sample results are provided in Table 1.

Table 1

<u>Sample Location</u>	<u>PCB Contration</u> <u>mg/kg</u>
Visual Clean Concrete	16,400
Visual Saturated Concrete (Stained)	35,100
Soil-Grab Sample	6,090
Front Right Corner (Facing Slab)	.0735

Middle of Slab	13.4
Back Left Corner (Facing Slab)	19.1
Drum (Unidentified Drum)	ND

On March 17, 2009, Compass undertook additional sampling to identify the extent of potential soil contamination in and around the substation pad. Eight samples (SS-01 thru SS-08) were taken adjacent to the pad (1.5 ft to 3 ft distance) to a depth of 2 feet. The sampling locations are identified in Figure 2. The samples were submitted to Pace Analytical Services, Inc. in Lenexa, Kansas for analysis.

Compass received the analytical results of the March 17th sampling event from Pace Analytical on March 26, 2009. A summary of the results is provided in Table 2, below. Complete results are provided in Appendix 3 of this report.

Table 2

Sample Location	PCB Concentrations mg/kg
SS-01	245
SS-02	651
SS-03	359
SS-04	466
SS-05	151
SS-06	82.3
SS-07	288
SS-08	288

Based on the sampling results of March 11, 2009 and March 26, 2009, Compass undertook remedial measures to remove the entire concrete pad and contaminated soils. Two storage areas were set up for the excavated and sized concrete and excavated soils. Each area was lined with a 20 mil HDPE liner. The concrete pad was crushed and sized for offsite disposal. The crushed concrete was then covered and secured with a 10 mil HDPE tarp. Once the concrete pad was removed, the soils under and surrounding the pad, were excavated to a depth of 3 feet. The soils were placed on a 20 mill HDPE liner. The excavated soils were then covered and secured by a 10 mil HDPE tarp.

The excavated areas were then back filled with clean fill. Two confirmation samples (PCB-01 and PCB-02) were taken on July 16, 2009. The results were returned by Pace Analytical Laboratories on July 27, 2009. The results, listed in Table 3, indicate no presence of PCB's. The full analytical results are provided in Appendix 4 of this report.

Table 3

Sample Location	PCB Concentraions mg/kg
PCB-01	ND
PCB-02	.185

Compass received Generator Approval Notification, No. K074204WDI, for acceptability of waste materials from EQ Wayne Disposal Company, Inc. on August 17, 2009. Compass removed 15,173 kg of concrete and soils, which was transported to EQ-Wayne Disposal Company, Inc. for disposal on October 13, 2009 under manifest 005356835 JJK. This documentation is provided in Appendix 5 of this report.

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number	
					003215247 JJK	
5. Generator's Name and Mailing Address MANCALA DIVISION OF COMPASS R.R. 1000 E. 10TH ST. DALLAS, TX 75202						
Generator's Site Address (if different than mailing address)						
Generator's Phone:						
6. Transporter 1 Company Name U.S. EPA ID Number						
7. Transporter 2 Company Name U.S. EPA ID Number						
8. Designated Facility Name and Site Address U.S. EPA ID Number WILDFIRE DISPOSAL INC., SOUTHERN LANDFILL 49360 N. I-354 SERVICE DR. LEBANON, TN 37090						
Facility's Phone:						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) 1. 30% Polyvinylchloride bitumen, solid, C, UNP4300 3G2D	10. Containers		11. Total Quantity	12. Unit Wt/Vol.	13. Waste Codes
		No.	Type			
		01	20	yd	B241	
14. Special Handling Instructions and Additional Information 1000 E. 10TH ST. DALLAS, TX 75202 DOT ERCPN 1201; ERG 81-152						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator), or (b) (if I am a small quantity generator) is true.						07/14/18
Generator's/Officer's Printed/Typed Name Signature Month Day Year Mancala Diviz in care of COMPASS R.R. [Signature] 12 6 07						
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.: Transporter signature (for exports only):						
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Month Day Year Mark Heinfeld [Signature] 12 6 07						
Transporter 2 Printed/Typed Name Signature Month Day Year						
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number:						
18b. Alternate Facility (or Generator) Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 2. 3. 4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature Month Day Year						

**Generator Approval Notification****November 27, 2007**

Customer: COMPASS ENVIRONMENTAL, INC. -IN
Fax: (312) 492-6597

ENVIRONMENTAL MANAGER
COMPASS BIG BLUE
8116 WILSON BLVD
KANSAS CITY, MO 64125

This Generator Approval Notification acknowledges the acceptability of waste material(s) into the EQ environmental protection facility identified below and ensures that this facility has the appropriate permit(s) issued by federal and state regulatory agencies to properly transport, treat, and/or dispose of the waste material(s).

EQ FACILITY: Wayne Disposal, Inc. (MID048090633)
49350 North I-94 Service Drive, Belleville, Michigan 48111

Approval Number: K074204WDI-OTS

Generator EPA ID: MOD000031823

Expires On: 11/20/2008

Waste Common Name: PCB SOIL AND DEBRIS

Comments: Must use PCB1 on Manifest, Use EQ Continuation Sheet, No Free liquids/biodegradable sorbent.
Schedule into Wayne.

Primary Waste Code: PCB1

Secondary Waste Codes:

The Approval(s) listed above are based upon characterization information supplied to EQ by the Customer and the generator (if other than the Customer). The Customer is ultimately responsible for the accuracy and completeness of all such information, whether provided by the Customer or the generator. The Customer must notify the EQ Resource Team immediately upon knowledge of any changes to this information. This Approval and all wastes which are transported, delivered, or tendered to EQ under this Approval shall be subject to the attached Standard Terms and Conditions.

The Approval(s) will expire on the date(s) noted. Any new Approvals obtained from EQ on future business will be valid for a period of one (1) year from the date of issuance. Within 60 days of the Approval Expiration Date, you will be notified of the requirements for recertification.

YOUR BUSINESS. OUR SOLUTIONS. A PRODUCTIVE PARTNERSHIP®

Mail or fax to: Wayne Disposal, Inc., 49350 North I-94 Service Drive, Belleville, Michigan 48111, Phone: 1-800-592-5489 Fax: 1-800-592-5329

SAMPLE ANALYTE COUNT

Project: PCB'S
Pace Project No.: 6054482

Lab ID	Sample ID	Method	Analysts	Analytes Reported
6054482001	#6 CLEAN CONCRETE	ASTM D2974-87 EPA 8082	EJD JDM	1 9
6054482002	#5 SATURATED CONCRETE	ASTM D2974-87 EPA 8082	EJD JDM	1 9
6054482003	#4 SOIL	ASTM D2974-87 EPA 8082	EJD JDM	1 9
6054482004	#8 FRC	EPA 8082	JDM	9
6054482005	#1 MID	EPA 8082	JDM	9
6054482006	#3 BCL	EPA 8082	JDM	9
6054482007	#9 DRUM	EPA 8082	JDM	9

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PCB'S
Pace Project No.: 6054482

Sample: #6 CLEAN CONCRETE Lab ID: 6054482001 Collected: 02/17/09 08:30 Received: 02/20/09 16:45 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		3360000	100000	02/26/09 00:00	03/07/09 07:23	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		3360000	100000	02/26/09 00:00	03/07/09 07:23	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		3360000	100000	02/26/09 00:00	03/07/09 07:23	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		3360000	100000	02/26/09 00:00	03/07/09 07:23	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		3360000	100000	02/26/09 00:00	03/07/09 07:23	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		3360000	100000	02/26/09 00:00	03/07/09 07:23	11097-69-1	
PCB-1260 (Aroclor 1260)	16400000 ug/kg		3360000	100000	02/26/09 00:00	03/07/09 07:23	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		26-137	100000	02/26/09 00:00	03/07/09 07:23	877-09-8	1e,D4
Decachlorobiphenyl (S)	0 %		43-115	100000	02/26/09 00:00	03/07/09 07:23	2051-24-3	1e
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	1.0 %		0.10	1			02/25/09 00:00	

Date: 03/11/2009 10:09 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PCB'S
 Pace Project No.: 6054482

Sample: #5 SATURATED CONCRETE Lab ID: 6054482002 Collected: 02/17/09 08:30 Received: 02/20/09 16:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	ug/kg	3290000	100000	02/26/09 00:00	03/07/09 06:59	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	3290000	100000	02/26/09 00:00	03/07/09 06:59	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	3290000	100000	02/26/09 00:00	03/07/09 06:59	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	3290000	100000	02/26/09 00:00	03/07/09 06:59	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	3290000	100000	02/26/09 00:00	03/07/09 06:59	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	3290000	100000	02/26/09 00:00	03/07/09 06:59	11097-69-1	
PCB-1260 (Aroclor 1260)	3510000	ug/kg	3290000	100000	02/26/09 00:00	03/07/09 06:59	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		26-137	100000	02/26/09 00:00	03/07/09 06:59	877-09-8	1e,D4
Decachlorobiphenyl (S)	0 %		43-115	100000	02/26/09 00:00	03/07/09 06:59	2051-24-3	1e
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	1.1 %		0.10	1		02/25/09 00:00		

ANALYTICAL RESULTS

Project: PCB'S
Pace Project No.: 6054482

Sample: #4 SOIL Lab ID: 6054482003 Collected: 02/17/09 08:30 Received: 02/20/09 16:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	ug/kg	3470000	100000	02/26/09 00:00	03/07/09 06:36	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	3470000	100000	02/26/09 00:00	03/07/09 06:36	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	3470000	100000	02/26/09 00:00	03/07/09 06:36	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	3470000	100000	02/26/09 00:00	03/07/09 06:36	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	3470000	100000	02/26/09 00:00	03/07/09 06:36	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	3470000	100000	02/26/09 00:00	03/07/09 06:36	11097-69-1	
PCB-1260 (Aroclor 1260)	6090000	ug/kg	3470000	100000	02/26/09 00:00	03/07/09 06:36	11096-82-5	
Tetrachloro-m-xylene (S)	/	0 %	26-137	100000	02/26/09 00:00	03/07/09 06:36	877-09-8	1e,D4
Decachlorobiphenyl (S)	0 %		43-115	100000	02/26/09 00:00	03/07/09 06:36	2051-24-3	1e
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	5.3 %		0.10	1		02/25/09 00:00		

Date: 03/11/2009 10:09 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PCB'S
Pace Project No.: 6054482

Sample: #8 FRC Lab ID: 6054482004 Collected: 02/17/09 08:30 Received: 02/20/09 16:45 Matrix: Wipe

Comments: • The samples were received outside of required temperature range. Analysis was completed upon client approval.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3580 (Wipe)							
PCB-1016 (Aroclor 1016)	ND Total ug-		10.0	10	02/23/09 00:00	03/07/09 01:59	12674-11-2	
PCB-1221 (Aroclor 1221)	ND Total ug-		10.0	10	02/23/09 00:00	03/07/09 01:59	11104-28-2	
PCB-1232 (Aroclor 1232)	ND Total ug-		10.0	10	02/23/09 00:00	03/07/09 01:59	11141-16-5	
PCB-1242 (Aroclor 1242)	ND Total ug-		10.0	10	02/23/09 00:00	03/07/09 01:59	53469-21-9	
PCB-1248 (Aroclor 1248)	ND Total ug-		10.0	10	02/23/09 00:00	03/07/09 01:59	12672-29-6	
PCB-1254 (Aroclor 1254)	ND Total ug-		10.0	10	02/23/09 00:00	03/07/09 01:59	11097-69-1	
PCB-1260 (Aroclor 1260)	73.5 Total ug-		10.0	10	02/23/09 00:00	03/07/09 01:59	11096-82-5	
Tetrachloro-m-xylene (S)	79 %		48-118	10	02/23/09 00:00	03/07/09 01:59	877-09-8	D4
Decachlorobiphenyl (S)	101 %		44-115	10	02/23/09 00:00	03/07/09 01:59	2051-24-3	

What is area?
does not mean anything

ANALYTICAL RESULTS

Project: PCB'S
Pace Project No.: 6054482

Sample: #1 MID Lab ID: 6054482005 Collected: 02/17/09 08:30 Received: 02/20/09 16:45 Matrix: Wipe
Comments: • The samples were received outside of required temperature range. Analysis was completed upon client approval.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB		Analytical Method: EPA 8082 Preparation Method: EPA 3580 (Wipe)						
PCB-1016 (Aroclor 1016)	ND Total ug-		1000	1000	02/23/09 00:00	03/07/09 01:36	12674-11-2	
PCB-1221 (Aroclor 1221)	ND Total ug-		1000	1000	02/23/09 00:00	03/07/09 01:36	11104-28-2	
PCB-1232 (Aroclor 1232)	ND Total ug-		1000	1000	02/23/09 00:00	03/07/09 01:36	11141-16-5	
PCB-1242 (Aroclor 1242)	ND Total ug-		1000	1000	02/23/09 00:00	03/07/09 01:36	53469-21-9	
PCB-1248 (Aroclor 1248)	ND Total ug-		1000	1000	02/23/09 00:00	03/07/09 01:36	12672-29-6	
PCB-1254 (Aroclor 1254)	ND Total ug-		1000	1000	02/23/09 00:00	03/07/09 01:36	11097-69-1	
PCB-1260 (Aroclor 1260)	13400 Total ug-		1000	1000	02/23/09 00:00	03/07/09 01:36	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		48-118	1000	02/23/09 00:00	03/07/09 01:36	877-09-8	1e,D4
Decachlorobiphenyl (S)	0 %		44-115	1000	02/23/09 00:00	03/07/09 01:36	2051-24-3	1e

WT noted

ANALYTICAL RESULTS

Project: PCB'S

Pace Project No.: 6054482

Sample: #3 BCL Lab ID: 6054482006 Collected: 02/17/09 08:30 Received: 02/20/09 16:45 Matrix: Wipe

Comments: • The samples were received outside of required temperature range. Analysis was completed upon client approval.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB		Analytical Method: EPA 8082 Preparation Method: EPA 3580 (Wipe)						
PCB-1016 (Aroclor 1016)	ND Total ug-		1000	1000	02/23/09 00:00	03/07/09 01:13	12674-11-2	
PCB-1221 (Aroclor 1221)	ND Total ug-		1000	1000	02/23/09 00:00	03/07/09 01:13	11104-28-2	
PCB-1232 (Aroclor 1232)	ND Total ug-		1000	1000	02/23/09 00:00	03/07/09 01:13	11141-16-5	
PCB-1242 (Aroclor 1242)	ND Total ug-		1000	1000	02/23/09 00:00	03/07/09 01:13	53469-21-9	
PCB-1248 (Aroclor 1248)	ND Total ug-		1000	1000	02/23/09 00:00	03/07/09 01:13	12672-29-6	
PCB-1254 (Aroclor 1254)	ND Total ug-		1000	1000	02/23/09 00:00	03/07/09 01:13	11097-69-1	
PCB-1260 (Aroclor 1260)	19100 Total ug-		1000	1000	02/23/09 00:00	03/07/09 01:13	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		48-118	1000	02/23/09 00:00	03/07/09 01:13	877-09-8	1e,D4
Decachlorobiphenyl (S)	0 %		44-115	1000	02/23/09 00:00	03/07/09 01:13	2051-24-3	1e

Total what?
what?
PCB what?

ANALYTICAL RESULTS

Project: PCB'S
Pace Project No.: 6054482

Sample: #9 DRUM Lab ID: 6054482007 Collected: 02/17/09 08:30 Received: 02/20/09 16:45 Matrix: Non Aqueous Liquid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3580							
PCB-1016 (Aroclor 1016)	ND mg/kg		9.9	1	02/23/09 00:00	02/25/09 19:40	12674-11-2	
PCB-1221 (Aroclor 1221)	ND mg/kg		9.9	1	02/23/09 00:00	02/25/09 19:40	11104-28-2	
PCB-1232 (Aroclor 1232)	ND mg/kg		9.9	1	02/23/09 00:00	02/25/09 19:40	11141-16-5	
PCB-1242 (Aroclor 1242)	ND mg/kg		9.9	1	02/23/09 00:00	02/25/09 19:40	53469-21-9	
PCB-1248 (Aroclor 1248)	ND mg/kg		9.9	1	02/23/09 00:00	02/25/09 19:40	12672-29-6	
PCB-1254 (Aroclor 1254)	ND mg/kg		9.9	1	02/23/09 00:00	02/25/09 19:40	11097-69-1	
PCB-1260 (Aroclor 1260)	ND mg/kg		9.9	1	02/23/09 00:00	02/25/09 19:40	11096-82-5	
Tetrachloro-m-xylene (S)	98 %		25-147	1	02/23/09 00:00	02/25/09 19:40	877-09-8	
Decachlorobiphenyl (S)	84 %		31-143	1	02/23/09 00:00	02/25/09 19:40	2051-24-3	

Date: 03/11/2009 10:09 AM

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QUALITY CONTROL DATA

Project: PCB'S

Pace Project No.: 6054482

QC Batch:	OEXT/16234	Analysis Method:	EPA 8082
QC Batch Method:	EPA 3580	Analysis Description:	8082 GCS PCB Oil
Associated Lab Samples:	6054482007		

METHOD BLANK:	446691	Matrix:	Non Aqueous Liquid
Associated Lab Samples:	6054482007		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	ND	10.3	02/25/09 20:27	
PCB-1221 (Aroclor 1221)	mg/kg	ND	10.3	02/25/09 20:27	
PCB-1232 (Aroclor 1232)	mg/kg	ND	10.3	02/25/09 20:27	
PCB-1242 (Aroclor 1242)	mg/kg	ND	10.3	02/25/09 20:27	
PCB-1248 (Aroclor 1248)	mg/kg	ND	10.3	02/25/09 20:27	
PCB-1254 (Aroclor 1254)	mg/kg	ND	10.3	02/25/09 20:27	
PCB-1260 (Aroclor 1260)	mg/kg	ND	10.3	02/25/09 20:27	
Decachlorobiphenyl (S)	%	90	31-143	02/25/09 20:27	
Tetrachloro-m-xylene (S)	%	112	25-147	02/25/09 20:27	

LABORATORY CONTROL SAMPLE:	446692
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Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	51	57.3	112	44-148	
PCB-1260 (Aroclor 1260)	mg/kg	51	51.0	100	50-140	
Decachlorobiphenyl (S)	%			96	31-143	
Tetrachloro-m-xylene (S)	%			124	25-147	

Date: 03/11/2009 10:09 AM

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QUALITY CONTROL DATA

Project: PCB'S
 Pace Project No.: 6054482

QC Batch:	OEXT/16235	Analysis Method:	EPA 8082
QC Batch Method:	EPA 3580 (Wipe)	Analysis Description:	8082 GCS PCB Wipe
Associated Lab Samples:	6054482004, 6054482005, 6054482006		

METHOD BLANK: 446695 Matrix: Wipe

Associated Lab Samples: 6054482004, 6054482005, 6054482006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	Total ug-	ND	1.0	03/07/09 02:45	
PCB-1221 (Aroclor 1221)	Total ug-	ND	1.0	03/07/09 02:45	
PCB-1232 (Aroclor 1232)	Total ug-	ND	1.0	03/07/09 02:45	
PCB-1242 (Aroclor 1242)	Total ug-	ND	1.0	03/07/09 02:45	
PCB-1248 (Aroclor 1248)	Total ug-	ND	1.0	03/07/09 02:45	
PCB-1254 (Aroclor 1254)	Total ug-	ND	1.0	03/07/09 02:45	
PCB-1260 (Aroclor 1260)	Total ug-	ND	1.0	03/07/09 02:45	
Decachlorobiphenyl (S)	%	82	44-115	03/07/09 02:45	
Tetrachloro-m-xylene (S)	%	87	48-118	03/07/09 02:45	

LABORATORY CONTROL SAMPLE: 446696

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	Total ug-	5	4.5	90	72-112	
PCB-1260 (Aroclor 1260)	Total ug-	5	4.5	90	64-116	
Decachlorobiphenyl (S)	%			87	44-115	
Tetrachloro-m-xylene (S)	%			97	48-118	

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QUALITY CONTROL DATA

Project: PCB'S

Pace Project No.: 6054482

QC Batch: PMST/3908

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 6054482001, 6054482002, 6054482003

SAMPLE DUPLICATE: 447824

Parameter	Units	6054481001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.5	9.5	11	20	

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QUALITY CONTROL DATA

Project: PCB'S
Pace Project No.: 6054482

QC Batch: OEXT/16289 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 6054482001, 6054482002, 6054482003

METHOD BLANK: 447958 Matrix: Solid

Associated Lab Samples: 6054482001, 6054482002, 6054482003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.3	03/07/09 05:27	
PCB-1221 (Aroclor 1221)	ug/kg	ND	32.3	03/07/09 05:27	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.3	03/07/09 05:27	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.3	03/07/09 05:27	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.3	03/07/09 05:27	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.3	03/07/09 05:27	
PCB-1260 (Aroclor 1260)	ug/kg	35.5	32.3	03/07/09 05:27	B+
Decachlorobiphenyl (S)	%	79	43-115	03/07/09 05:27	
Tetrachloro-m-xylene (S)	%	84	26-137	03/07/09 05:27	

LABORATORY CONTROL SAMPLE: 447959

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	164	145	89	59-116	
PCB-1260 (Aroclor 1260)	ug/kg	164	139	85	55-116	
Decachlorobiphenyl (S)	%			76	43-115	
Tetrachloro-m-xylene (S)	%			86	26-137	

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QUALIFIERS

Project: PCB'S
Pace Project No.: 6054482

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

ANALYTE QUALIFIERS

- 1e Surrogate diluted out.
- B+ Analyte was detected in the associated method blank as well as in the sample.
- D4 Sample was diluted due to the presence of high levels of target analytes.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PCB'S
 Pace Project No.: 6054482

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6054482007	#9 DRUM	EPA 3580	OEXT/16234	EPA 8082	GCSV/6562
6054482004	#8 FRC	EPA 3580 (Wipe)	OEXT/16235	EPA 8082	GCSV/6561
6054482005	#1 MID	EPA 3580 (Wipe)	OEXT/16235	EPA 8082	GCSV/6561
6054482006	#3 BCL	EPA 3580 (Wipe)	OEXT/16235	EPA 8082	GCSV/6561
6054482001	#6 CLEAN CONCRETE	ASTM D2974-87	PMST/3908		
6054482002	#5 SATURATED CONCRETE	ASTM D2974-87	PMST/3908		
6054482003	#4 SOIL	ASTM D2974-87	PMST/3908		
6054482001	#6 CLEAN CONCRETE	EPA 3546	OEXT/16289	EPA 8082	GCSV/6585
6054482002	#5 SATURATED CONCRETE	EPA 3546	OEXT/16289	EPA 8082	GCSV/6585
6054482003	#4 SOIL	EPA 3546	OEXT/16289	EPA 8082	GCSV/6585

SAMPLE SUMMARY

Project: Compass Big Blue
Pace Project No.: 6055618

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6055618001	SS-01-031709	Solid	03/17/09 08:00	03/17/09 14:35
6055618002	SS-02-031709	Solid	03/17/09 08:05	03/17/09 14:35
6055618003	SS-03-031709	Solid	03/17/09 08:10	03/17/09 14:35
6055618004	SS-04-031709	Solid	03/17/09 08:15	03/17/09 14:35
6055618005	SS-05-031709	Solid	03/17/09 08:20	03/17/09 14:35
6055618006	SS-06-031709	Solid	03/17/09 08:25	03/17/09 14:35
6055618007	SS-07-031709	Solid	03/17/09 08:30	03/17/09 14:35
6055618008	SS-08-031709	Solid	03/17/09 08:35	03/17/09 14:35

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SAMPLE ANALYTE COUNT

Project: Compass Big Blue
Pace Project No.: 6055618

Lab ID	Sample ID	Method	Analysts	Analytes Reported
6055618001	SS-01-031709	ASTM D2974-87 EPA 8082	EJD JMT	1 9
6055618002	SS-02-031709	ASTM D2974-87 EPA 8082	EJD JMT	1 9
6055618003	SS-03-031709	ASTM D2974-87 EPA 8082	EJD JMT	1 9
6055618004	SS-04-031709	ASTM D2974-87 EPA 8082	EJD JMT	1 9
6055618005	SS-05-031709	ASTM D2974-87 EPA 8082	EJD JMT	1 9
6055618006	SS-06-031709	ASTM D2974-87 EPA 8082	EJD JMT	1 9
6055618007	SS-07-031709	ASTM D2974-87 EPA 8082	EJD JMT	1 9
6055618008	SS-08-031709	ASTM D2974-87 EPA 8082	EJD JMT	1 9

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ANALYTICAL RESULTS

Project: Compass Big Blue
Pace Project No.: 6055618

Sample: SS-01-031709 Lab ID: 6055618001 Collected: 03/17/09 08:00 Received: 03/17/09 14:35 Matrix: Solid

Results reported on a "dry-weight" basis

Comments: • The samples were received outside of required temperature range. Analysis was completed upon client approval.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND ug/kg	37000	7950	1000	03/20/09 00:00	03/26/09 02:43	12674-11-2		
PCB-1221 (Aroclor 1221)	ND ug/kg	37000	7280	1000	03/20/09 00:00	03/26/09 02:43	11104-28-2		
PCB-1232 (Aroclor 1232)	ND ug/kg	37000	13400	1000	03/20/09 00:00	03/26/09 02:43	11141-16-5		
PCB-1242 (Aroclor 1242)	ND ug/kg	37000	8400	1000	03/20/09 00:00	03/26/09 02:43	53469-21-9		
PCB-1248 (Aroclor 1248)	ND ug/kg	37000	2020	1000	03/20/09 00:00	03/26/09 02:43	12672-29-6		
PCB-1254 (Aroclor 1254)	ND ug/kg	37000	5490	1000	03/20/09 00:00	03/26/09 02:43	11097-69-1		
PCB-1260 (Aroclor 1260)	245000 ug/kg	37000	3920	1000	03/20/09 00:00	03/26/09 02:43	11096-82-5		
Tetrachloro-m-xylene (S)	0 %	26-137		1000	03/20/09 00:00	03/26/09 02:43	877-09-8		1e,D4
Decachlorobiphenyl (S)	0 %	43-115		1000	03/20/09 00:00	03/26/09 02:43	2051-24-3		1e
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	11.2 %		0.10	0.10	1		03/19/09 00:00		

Date: 03/26/2009 02:15 PM

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ANALYTICAL RESULTS

Project: Compass Big Blue

Pace Project No.: 6055618

Sample: SS-02-031709 Lab ID: 6055618002 Collected: 03/17/09 08:05 Received: 03/17/09 14:35 Matrix: Solid

Results reported on a "dry-weight" basis

Comments: • The samples were received outside of required temperature range. Analysis was completed upon client approval.

Parameters	Results	Units	Report						CAS No.	Qual
			Limit	MDL	DF	Prepared	Analyzed			
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	ND ug/kg	41900	9020	1000	03/20/09 00:00	03/26/09 02:20	12674-11-2			
PCB-1221 (Aroclor 1221)	ND ug/kg	41900	8260	1000	03/20/09 00:00	03/26/09 02:20	11104-28-2			
PCB-1232 (Aroclor 1232)	ND ug/kg	41900	15300	1000	03/20/09 00:00	03/26/09 02:20	11141-16-5			
PCB-1242 (Aroclor 1242)	ND ug/kg	41900	9530	1000	03/20/09 00:00	03/26/09 02:20	53469-21-9			
PCB-1248 (Aroclor 1248)	ND ug/kg	41900	2290	1000	03/20/09 00:00	03/26/09 02:20	12672-29-6			
PCB-1254 (Aroclor 1254)	ND ug/kg	41900	6230	1000	03/20/09 00:00	03/26/09 02:20	11097-69-1			
PCB-1260 (Aroclor 1260)	651000 ug/kg	41900	4450	1000	03/20/09 00:00	03/26/09 02:20	11096-82-5			
Tetrachloro-m-xylene (S)	0 %	26-137		1000	03/20/09 00:00	03/26/09 02:20	877-09-8		1e,D4	
Decachlorobiphenyl (S)	0 %	43-115		1000	03/20/09 00:00	03/26/09 02:20	2051-24-3		1e	
Percent Moisture	Analytical Method: ASTM D2974-87									
Percent Moisture	21.4 %	0.10	0.10	1			03/19/09 00:00			

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ANALYTICAL RESULTS

Project: Compass Big Blue
Pace Project No.: 6055618

Sample: SS-03-031709 Lab ID: 6055618003 Collected: 03/17/09 08:10 Received: 03/17/09 14:35 Matrix: Solid

Results reported on a "dry-weight" basis

Comments: • The samples were received outside of required temperature range. Analysis was completed upon client approval.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW		Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		38200	8230	1000	03/20/09 00:00	03/26/09 01:57	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		38200	7530	1000	03/20/09 00:00	03/26/09 01:57	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		38200	13900	1000	03/20/09 00:00	03/26/09 01:57	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		38200	8690	1000	03/20/09 00:00	03/26/09 01:57	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		38200	2090	1000	03/20/09 00:00	03/26/09 01:57	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		38200	5680	1000	03/20/09 00:00	03/26/09 01:57	11097-69-1	
PCB-1260 (Aroclor 1260)	359000 ug/kg		38200	4060	1000	03/20/09 00:00	03/26/09 01:57	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		26-137		1000	03/20/09 00:00	03/26/09 01:57	877-09-8	1e,D4
Decachlorobiphenyl (S)	0 %		43-115		1000	03/20/09 00:00	03/26/09 01:57	2051-24-3	1e
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	15.0 %		0.10	0.10	1			03/19/09 00:00	

Date: 03/26/2009 02:15 PM

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ANALYTICAL RESULTS

Project: Compass Big Blue

Pace Project No.: 6055618

Sample: SS-04-031709 Lab ID: 6055618004 Collected: 03/17/09 08:15 Received: 03/17/09 14:35 Matrix: Solid

Results reported on a "dry-weight" basis

Comments: • The samples were received outside of required temperature range. Analysis was completed upon client approval.

Parameters	Results	Units	Report						CAS No.	Qual	
			Limit	MDL	DF	Prepared	Analyzed				
8082 GCS PCB SW Analytical Method: EPA 8082 Preparation Method: EPA 3546											
PCB-1016 (Aroclor 1016)	ND ug/kg	36500	7850	1000	03/20/09 00:00	03/26/09 01:34	12674-11-2				
PCB-1221 (Aroclor 1221)	ND ug/kg	36500	7180	1000	03/20/09 00:00	03/26/09 01:34	11104-28-2				
PCB-1232 (Aroclor 1232)	ND ug/kg	36500	13300	1000	03/20/09 00:00	03/26/09 01:34	11141-16-5				
PCB-1242 (Aroclor 1242)	ND ug/kg	36500	8290	1000	03/20/09 00:00	03/26/09 01:34	53469-21-9				
PCB-1248 (Aroclor 1248)	ND ug/kg	36500	1990	1000	03/20/09 00:00	03/26/09 01:34	12672-29-6				
PCB-1254 (Aroclor 1254)	ND ug/kg	36500	5420	1000	03/20/09 00:00	03/26/09 01:34	11097-69-1				
PCB-1260 (Aroclor 1260)	466000 ug/kg	36500	3870	1000	03/20/09 00:00	03/26/09 01:34	11096-82-5				
Tetrachloro-m-xylene (S)	0 %	26-137		1000	03/20/09 00:00	03/26/09 01:34	877-09-8		1e,D4		
Decachlorobiphenyl (S)	0 %	43-115		1000	03/20/09 00:00	03/26/09 01:34	2051-24-3		1e		
Percent Moisture Analytical Method: ASTM D2974-87											
Percent Moisture	10 %		0.10	0.10	1			03/19/09 00:00			

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ANALYTICAL RESULTS

Project: Compass Big Blue
Pace Project No.: 6055618

Sample: SS-05-031709 Lab ID: 6055618005 Collected: 03/17/09 08:20 Received: 03/17/09 14:35 Matrix: Solid

Results reported on a "dry-weight" basis

Comments: • The samples were received outside of required temperature range. Analysis was completed upon client approval.

Parameters	Results	Units	Report		Prepared	Analyzed	CAS No.	Qual
			Limit	MDL				
8082 GCS PCB SW Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND ug/kg		4430	953	100	03/20/09 00:00	03/26/09 08:51	12674-11-2
PCB-1221 (Aroclor 1221)	ND ug/kg		4430	872	100	03/20/09 00:00	03/26/09 08:51	11104-28-2
PCB-1232 (Aroclor 1232)	ND ug/kg		4430	1610	100	03/20/09 00:00	03/26/09 08:51	11141-16-5
PCB-1242 (Aroclor 1242)	ND ug/kg		4430	1010	100	03/20/09 00:00	03/26/09 08:51	53469-21-9
PCB-1248 (Aroclor 1248)	ND ug/kg		4430	242	100	03/20/09 00:00	03/26/09 08:51	12672-29-6
PCB-1254 (Aroclor 1254)	ND ug/kg		4430	658	100	03/20/09 00:00	03/26/09 08:51	11097-69-1
PCB-1260 (Aroclor 1260)	15100 ug/kg		4430	470	100	03/20/09 00:00	03/26/09 08:51	11096-82-5
Tetrachloro-m-xylene (S)	0 %		26-137		100	03/20/09 00:00	03/26/09 08:51	877-09-8
Decachlorobiphenyl (S)	0 %		43-115		100	03/20/09 00:00	03/26/09 08:51	2051-24-3
Percent Moisture Analytical Method: ASTM D2974-87								
Percent Moisture	25.9 %		0.10	0.10	1		03/19/09 00:00	

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ANALYTICAL RESULTS

Project: Compass Big Blue

Pace Project No.: 6055618

Sample: SS-06-031709 Lab ID: 6055618006 Collected: 03/17/09 08:25 Received: 03/17/09 14:35 Matrix: Solid

Results reported on a "dry-weight" basis

Comments: • The samples were received outside of required temperature range. Analysis was completed upon client approval.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW Analytical Method: EPA 8082 Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	ND ug/kg		43300	9310	1000	03/20/09 00:00	03/26/09 00:48	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		43300	8520	1000	03/20/09 00:00	03/26/09 00:48	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		43300	15700	1000	03/20/09 00:00	03/26/09 00:48	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		43300	9830	1000	03/20/09 00:00	03/26/09 00:48	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		43300	2360	1000	03/20/09 00:00	03/26/09 00:48	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		43300	6420	1000	03/20/09 00:00	03/26/09 00:48	11097-69-1	
PCB-1260 (Aroclor 1260)	82300 ug/kg		43300	4590	1000	03/20/09 00:00	03/26/09 00:48	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		26-137		1000	03/20/09 00:00	03/26/09 00:48	877-09-8	1e,D4
Decachlorobiphenyl (S)	0 %		43-115		1000	03/20/09 00:00	03/26/09 00:48	2051-24-3	1e
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	23.7 %		0.10	0.10	1			03/19/09 00:00	

Date: 03/26/2009 02:15 PM

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ANALYTICAL RESULTS

Project: Compass Big Blue
Pace Project No.: 6055618

Sample: SS-07-031709 Lab ID: 6055618007 Collected: 03/17/09 08:30 Received: 03/17/09 14:35 Matrix: Solid

Results reported on a "dry-weight" basis

Comments: • The samples were received outside of required temperature range. Analysis was completed upon client approval.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND ug/kg		37100	7980	1000	03/20/09 00:00	03/26/09 00:25	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		37100	7300	1000	03/20/09 00:00	03/26/09 00:25	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		37100	13500	1000	03/20/09 00:00	03/26/09 00:25	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		37100	8430	1000	03/20/09 00:00	03/26/09 00:25	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		37100	2020	1000	03/20/09 00:00	03/26/09 00:25	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		37100	5510	1000	03/20/09 00:00	03/26/09 00:25	11097-69-1	
PCB-1260 (Aroclor 1260)	288000 ug/kg		37100	3930	1000	03/20/09 00:00	03/26/09 00:25	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		26-137		1000	03/20/09 00:00	03/26/09 00:25	877-09-8	1e,D4
Decachlorobiphenyl (S)	0 %		43-115		1000	03/20/09 00:00	03/26/09 00:25	2051-24-3	1e
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	11.2 %		0.10	0.10	1			03/19/09 00:00	

Date: 03/26/2009 02:15 PM

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ANALYTICAL RESULTS

Project: Compass Big Blue
Pace Project No.: 6055618

Sample: SS-08-031709 Lab ID: 6055618008 Collected: 03/17/09 08:35 Received: 03/17/09 14:35 Matrix: Solid

Results reported on a "dry-weight" basis

Comments: • The samples were received outside of required temperature range. Analysis was completed upon client approval.

Parameters	Results	Units	Report					CAS No.	Qual	
			Limit	MDL	DF	Prepared	Analyzed			
8082 GCS PCB SW Analytical Method: EPA 8082 Preparation Method: EPA 3546										
PCB-1016 (Aroclor 1016)	ND ug/kg		38800	8350	1000	03/20/09 00:00	03/26/09 00:02	12674-11-2		
PCB-1221 (Aroclor 1221)	ND ug/kg		38800	7650	1000	03/20/09 00:00	03/26/09 00:02	11104-28-2		
PCB-1232 (Aroclor 1232)	ND ug/kg		38800	14100	1000	03/20/09 00:00	03/26/09 00:02	11141-16-5		
PCB-1242 (Aroclor 1242)	ND ug/kg		38800	8830	1000	03/20/09 00:00	03/26/09 00:02	53469-21-9		
PCB-1248 (Aroclor 1248)	ND ug/kg		38800	2120	1000	03/20/09 00:00	03/26/09 00:02	12672-29-6		
PCB-1254 (Aroclor 1254)	ND ug/kg		38800	5770	1000	03/20/09 00:00	03/26/09 00:02	11097-69-1		
PCB-1260 (Aroclor 1260)	288000 ug/kg		38800	4120	1000	03/20/09 00:00	03/26/09 00:02	11096-82-5		
Tetrachloro-m-xylene (S)	0 %		26-137		1000	03/20/09 00:00	03/26/09 00:02	877-09-8	1e,D4	
Decachlorobiphenyl (S)	0 %		43-115		1000	03/20/09 00:00	03/26/09 00:02	2051-24-3	1e	
Percent Moisture Analytical Method: ASTM D2974-87										
Percent Moisture	16.0 %		0.10	0.10	1			03/19/09 00:00		

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QUALITY CONTROL DATA

Project: Compass Big Blue

Pace Project No.: 6055618

QC Batch:	PMST/3966	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	6055618001, 6055618002, 6055618003, 6055618004, 6055618005		

SAMPLE DUPLICATE: 456916

Parameter	Units	Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6055417006	22.9	23.5	3	20

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QUALITY CONTROL DATA

Project: Compass Big Blue

Pace Project No.: 6055618

QC Batch:	OEXT/16669	Analysis Method:	EPA 8082
QC Batch Method:	EPA 3546	Analysis Description:	8082 GCS PCB
Associated Lab Samples: 6055618001, 6055618002, 6055618003, 6055618004, 6055618005, 6055618006, 6055618007, 6055618008			

METHOD BLANK: 457752 Matrix: Solid

Associated Lab Samples: 6055618001, 6055618002, 6055618003, 6055618004, 6055618005, 6055618006, 6055618007, 6055618008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.6	03/26/09 03:30	
PCB-1221 (Aroclor 1221)	ug/kg	ND	32.6	03/26/09 03:30	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.6	03/26/09 03:30	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.6	03/26/09 03:30	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.6	03/26/09 03:30	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.6	03/26/09 03:30	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.6	03/26/09 03:30	
Decachlorobiphenyl (S)	%	90	43-115	03/26/09 03:30	
Tetrachloro-m-xylene (S)	%	90	26-137	03/26/09 03:30	

LABORATORY CONTROL SAMPLE: 457753

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	166	170	103	59-116	
PCB-1260 (Aroclor 1260)	ug/kg	166	169	102	55-116	
Decachlorobiphenyl (S)	%			92	43-115	
Tetrachloro-m-xylene (S)	%			94	26-137 M4	

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QUALIFIERS

Project: Compass Big Blue
Pace Project No.: 6055618

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

ANALYTE QUALIFIERS

1e Surrogate diluted out.

D4 Sample was diluted due to the presence of high levels of target analytes.

M4 A matrix spike/matrix spike duplicate was not performed for this batch due to sample dilution.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Compass Big Blue
Pace Project No.: 6055618

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6055618001	SS-01-031709	ASTM D2974-87	PMST/3966		
6055618002	SS-02-031709	ASTM D2974-87	PMST/3966		
6055618003	SS-03-031709	ASTM D2974-87	PMST/3966		
6055618004	SS-04-031709	ASTM D2974-87	PMST/3966		
6055618005	SS-05-031709	ASTM D2974-87	PMST/3966		
6055618006	SS-06-031709	ASTM D2974-87	PMST/3967		
6055618007	SS-07-031709	ASTM D2974-87	PMST/3967		
6055618008	SS-08-031709	ASTM D2974-87	PMST/3967		
6055618001	SS-01-031709	EPA 3546	OEXT/16669	EPA 8082	GCSV/6691
6055618002	SS-02-031709	EPA 3546	OEXT/16669	EPA 8082	GCSV/6691
6055618003	SS-03-031709	EPA 3546	OEXT/16669	EPA 8082	GCSV/6691
6055618004	SS-04-031709	EPA 3546	OEXT/16669	EPA 8082	GCSV/6691
6055618005	SS-05-031709	EPA 3546	OEXT/16669	EPA 8082	GCSV/6691
6055618006	SS-06-031709	EPA 3546	OEXT/16669	EPA 8082	GCSV/6691
6055618007	SS-07-031709	EPA 3546	OEXT/16669	EPA 8082	GCSV/6691
6055618008	SS-08-031709	EPA 3546	OEXT/16669	EPA 8082	GCSV/6691

SAMPLE SUMMARY

Project: PCB
Pace Project No.: 6062893

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6062893001	SOLID - PCB 1	Solid	07/16/09 13:05	07/16/09 16:00
6062893002	SOLID - PCB 2	Solid	07/16/09 13:05	07/16/09 16:00

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ANALYTICAL RESULTS

Project: PCB
Pace Project No.: 6062893

Sample: SOLID - PCB 2 Lab ID: 6062893002 Collected: 07/16/09 13:05 Received: 07/16/09 16:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		170	1	07/20/09 00:00	07/24/09 08:42	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		170	1	07/20/09 00:00	07/24/09 08:42	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		170	1	07/20/09 00:00	07/24/09 08:42	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		170	1	07/20/09 00:00	07/24/09 08:42	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		170	1	07/20/09 00:00	07/24/09 08:42	12672-29-6	
PCB-1254 (Aroclor 1254)	185 ug/kg		170	1	07/20/09 00:00	07/24/09 08:42	11097-69-1	
PCB-1260 (Aroclor 1260)	ND ug/kg		170	1	07/20/09 00:00	07/24/09 08:42	11096-82-5	
Tetrachloro-m-xylene (S)	87 %		26-137	1	07/20/09 00:00	07/24/09 08:42	877-09-8	
Decachlorobiphenyl (S)	77 %		43-115	1	07/20/09 00:00	07/24/09 08:42	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	1.9 %		0.10	1		07/20/09 00:00		

Date: 07/27/2009 01:26 PM

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QUALITY CONTROL DATA

Project: PCB
Pace Project No.: 6062893

QC Batch: OEXT/18630 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 6062893001, 6062893002

METHOD BLANK: 511866 Matrix: Solid

Associated Lab Samples: 6062893001, 6062893002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.8	07/24/09 12:32	
PCB-1221 (Aroclor 1221)	ug/kg	ND	32.8	07/24/09 12:32	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.8	07/24/09 12:32	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.8	07/24/09 12:32	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.8	07/24/09 12:32	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.8	07/24/09 12:32	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.8	07/24/09 12:32	
Decachlorobiphenyl (S)	%	73	43-115	07/24/09 12:32	
Tetrachloro-m-xylene (S)	%	82	26-137	07/24/09 12:32	

LABORATORY CONTROL SAMPLE: 511867

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	166	130	79	59-116	
PCB-1260 (Aroclor 1260)	ug/kg	166	122	74	55-116	
Decachlorobiphenyl (S)	%			69	43-115	
Tetrachloro-m-xylene (S)	%			76	26-137	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 511868 511869

Parameter	Units	6062745001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD RPD	Max Qual
			Spike Conc.	Conc.	Spike Conc.	Result					
PCB-1016 (Aroclor 1016)	ug/kg	ND	166	167	139	124	83	74	30-165	11	32
PCB-1260 (Aroclor 1260)	ug/kg	ND	166	167	100	93.3	60	56	33-138	7	30
Decachlorobiphenyl (S)	%						49	50	43-115		
Tetrachloro-m-xylene (S)	%						69	62	26-137		

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QUALITY CONTROL DATA

Project: PCB
 Pace Project No.: 6062893

QC Batch:	PMST/4332	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	6062893001, 6062893002		

SAMPLE DUPLICATE: 512608

Parameter	Units	6062471005	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.8	20.0	1	20	

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QUALIFIERS

Project: PCB
Pace Project No.: 6062893

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

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U - Indicates the compound was analyzed for, but not detected.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PCB
Pace Project No.: 6062893

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6062893001	SOLID - PCB 1	EPA 3546	OEXT/18630	EPA 8082	GCSV/7250
6062893002	SOLID - PCB 2	EPA 3546	OEXT/18630	EPA 8082	GCSV/7250
6062893001	SOLID - PCB 1	ASTM D2974-87	PMST/4332		
6062893002	SOLID - PCB 2	ASTM D2974-87	PMST/4332		

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number JJK			
5. Generator's Name and Mailing Address		Generator's Site Address (if different than mailing address)						
Generator's Phone:								
6. Transporter 1 Company Name		U.S. EPA ID Number						
7. Transporter 2 Company Name		U.S. EPA ID Number						
8. Designated Facility Name and Site Address		U.S. EPA ID Number						
Facility's Phone:								
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
1.								
2.								
3.								
4.								
Special Handling Instructions and Additional Information								
<p>15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.</p> <p>I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.</p>								
Generator's/Officer's Printed/Typed Name		Signature		Month	Day	Year		
INT'L TRANSPORTER	16. International Shipments		<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	Port of entry/exit: _____			
	Transporter signature (for exports only):		Date leaving U.S.: _____					
17. Transporter Acknowledgment of Receipt of Materials		Signature		Month	Day	Year		
Transporter 1 Printed/Typed Name		Signature		Month	Day	Year		
Transporter 2 Printed/Typed Name		Signature		Month	Day	Year		
18. Discrepancy								
18a. Discrepancy Indication Space		<input checked="" type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection		
18b. Alternate Facility (or Generator)		Manifest Reference Number: _____				U.S. EPA ID Number		
Facility's Phone:						Month	Day	Year
18c. Signature of Alternate Facility (or Generator)						Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
		2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name		Signature		Month	Day	Year		



CERTIFICATE OF DISPOSAL

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PCB Slid
and specified on Manifest # 00535683557K Line Item 1 has been landfilled on
10/14, 2009 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: 